

GenCore version 4.5  
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## OM protein - protein search, using sw model

Run on: March 1, 2001, 16:09:42 ; Search time 52.57 Seconds

(without alignments)

133.774 Million cell updates/sec

**Title:** US-09-331-631A-22\_COPY\_25\_84  
**Perfect score:** 350  
**Sequence:** 1 EDDNNHHGGHKGSCQCVRRC..... EKKRQERSRHEADDRSGEGSS 60

**Scoring table:** BLOSUM62

Gapext 0.5

**Searched:** 374700 seqs, 117207915 residues**Total number of hits satisfying chosen parameters:** 374700

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
 Maximum Match 100%  
 Listing first 45 summaries

## Database :

SPTREMBL\_15: \*  
 1: sp\_archaea: \*  
 2: sp\_bacteria: \*  
 3: sp\_fungi: \*  
 4: sp\_human: \*  
 5: sp\_invertebrate: \*  
 6: sp\_mammal: \*  
 7: sp\_mhc: \*  
 8: sp\_organelle: \*  
 9: sp\_phage: \*  
 10: sp\_plant: \*  
 11: sp\_rabbit: \*  
 12: sp\_virus: \*  
 13: sp\_vertebrate: \*  
 14: sp\_unclassified: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

## ALIGNMENTS

RESULT	1
ID	Q03863
AC	Q03863;
DT	01-NOV-1996 (TREMBLrel. 01, Last sequence update)
DT	01-MAY-2000 (TREMBLrel. 13, Last annotation update)
DE	GIBL-0 PROTEIN
GN	Zea mays (Maize)
OS	Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; Zea.
OX	NCBI_TAXID=4577;
RN	[1]
RP	SEQUENCE FROM N.A.
RX	MEDLINE=92090707; PubMed=1752424;
RA	Belanger F.C., Kitz A.L.;
RT	"molecular basis for allelic polymorphism of the maize Globulin-1 gene,"
RT	genetics 129:863-872(1991).
RL	EMBL; X5085; CA41811.1; -
DR	MENDEL; 14637; Zeama;1188;14637;
SQ	SEQUENCE 122 AA; 13902 MW; 9D03F64BF0E9D6F2A CRC64;

Query Match Best Local Similarity 100.0%; Score 350; DB 10; Length 122;

Matches 60.; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EDDNNHHGGHKGSCQCVRRCEDPWHORPRCQOCBEEERKROERSHEADRSGE

GSS 60

Db 25 EDDNNHHGGHKGSCQCVRRCEDPWHORPRCQOCBEEERKROERSHEADRSGE

GSS 84

Q03865 ID PRELIMINARY; PRT; 582 AA.

AC Q03865;

DT 01-NOV-1996 (TREMBLrel. 01, Created)

DT 01-NOV-1996 (TREMBLrel. 01, Last sequence update)

DT 01-OCT-2000 (TREMBLrel. 15, Last annotation update)

DE VICILIN-LIKE EMBRYO STORAGE PROTEIN

Qysb66 zea mays su

Qysb67 zea mays su

Q41750 zea mays (m

Q9sb65 zea mays (m

Q9sb66 zea mays (m

Q9sb67 zea mays (m

Q9sb68 zea mays (m

Q9sb69 zea mays (m

Q9sb70 zea mays (m

Q9sb71 zea mays (m

Q9sb72 zea mays (m

Q9sb73 zea mays (m

Q9sb74 zea mays (m

Q9sb75 zea mays (m

Q9sb76 zea mays (m

Q9sb77 zea mays (m

Q9sb78 zea mays (m

Q9sb79 zea mays (m

Q9sb80 zea mays (m

Q9sb81 zea mays (m

Q9sb82 zea mays (m

Q9sb83 zea mays (m

Q9sb84 zea mays (m

Q9sb85 zea mays (m

Q9sb86 zea mays (m

Q9sb87 zea mays (m

Q9sb88 zea mays (m

Q9sb89 zea mays (m

Q9sb90 zea mays (m

GN	GLOB1-L.	ID	09S6Z6	PRT	238 AA.
OS	Zea mays (maize);	AC	09S6Z6;	PRELIMINARY;	
OC	Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;	DT	01-MAY-2000 (TREMBLrel. 13, Created)	PRT;	
OC	Magnoliophyta; Liliopsida; Poales; Poaceae; Zea.	DT	01-MAY-2000 (TREMBLrel. 13, Last sequence update)		
NCBI_TAXID=4577;		DT	01-OCT-2000 (TREMBLrel. 15, Last annotation update)		
RN	[1]	DE	GLOBULIN-1 (FRAGMENT).		
RP	SEQUENCE FROM N.A.	OS	zea luxurians ('teosinte').		
RC		OC	Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;		
RX	MEDLINE=32090707; PubMed=1752424;	OC	Magnoliophyta; Liliopsida; Poales; Poaceae; Zea.		
RA	Belander F.C.; Kriz A.L.;	OX	NCBI_TaxID=15945;		
RT	"Molecular basis for allelic polymorphism of the maize Globulin-1 gene.";	RN	SEQUENCE FROM N.A.		
RT	Genetics 125:863-872(1991).	RA	Hilton H., Gaut B.S.,		
RL	EMBL; X59083; CAA41809.1; -.	RT	"Speciation and domestication in maize and its wild relatives: evidence from the Globulin-1 gene.";		
DR	HSSP; P50477; ICAU.	RL	Genetics 0:0-0(1998).		
DR	MENDEL; 11234; Zeama; 1188; 11234.	DR	EMBL; AF064232; AAC31475.1; -.		
DR	INTERPRO; IPR000901; -.	DR	EMBL; AF064227; AAC31470.1; -.		
DR	INTERPRO; IPR001113; -.	DR	EMBL; AF064230; AAC31473.1; -.		
DR	PFAM; PF00546; Seedsstore_7s; 1.	DR	HSSP; P50477; ICAU.		
DR	PRODOM; P0801059; - 1.	DR	INTERPRO; IPR000901; -.		
KW	Seed storage protein.	DR	INTERPRO; IPR001113; -.		
SEQUENCE	582 AA; 66162 MW; 68085FECB7CB885 CRC64;	DR	PFAM; PF00546; Seedsstore_7s; 1.		
Query	Match	FT	NON_TER 238	PRT;	
Best Local Similarity	100.0%;	SEQUENCE	238 AA; 27271 MW; FFE2169616319268 CRC64;		
Matches	60;	SQ			
Conservative	0;				
Mismatches	0;				
Indels	0;				
Gaps	0;				
RESULT	3	GT			
ID	Q9SB5	GT			
AC	Q9SB5;	PRELIMINARY;	PRT;	238 AA.	
DT	01-MAY-2000 (TREMBLrel. 13, Created)	GT			
DT	01-MAY-2000 (TREMBLrel. 13, Last sequence update)	AC	081252;	PRELIMINARY;	
DT	01-OCT-2000 (TREMBLrel. 15, Last annotation update)	DT	01-NOV-1998 (TREMBLrel. 08, Created)	PRT;	240 AA.
DE	GLOBULIN-1 (FRAGMENT).	DT	01-NOV-1998 (TREMBLrel. 08, Last sequence update)		
OS	zea luxurians ('teosinte').	DE	01-OCT-2000 (TREMBLrel. 15, Last annotation update)		
OC	Eukaryota; Viridiplantae; Embryophyta; Tracheophyta;	OS	GLOBULIN-1 (FRAGMENT).		
OC	Magnoliophyta; Liliopsida; Poales; Poaceae; Zea.	OC	zea mays subsp. mays (maize).		
NCBI_TAXID=15945;	[1]	OC	Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;		
RN	SEQUENCE FROM N.A.	OC	Magnoliophyta; Liliopsida; Poales; Poaceae; Zea.		
RP		OX	NCBI_TaxID=4578;		
RA	Hilton H., Gaut B.S.,	RN	[1]		
RT	"Speciation and domestication in maize and its wild relatives: evidence from the Globulin-1 gene.";	RP	SEQUENCE FROM N.A.		
RT	Genetics 0:0-0(1998).	RA	Hilton H., Gaut B.S.,		
RL	EMBL; AF004231; AAC31474.1; -.	RT	"Speciation and domestication in maize and its wild relatives: evidence from the Globulin-1 gene.";		
DR	HSSP; P50477; ICAU.	RT	Genetics 0:0-0(1998).		
DR	INTERPRO; IPR001113; -.	RL	EMBL; AF004215; AAC31458.1; -.		
DR	PFAM; PF00546; Seedsstore_7s; 1.	DR	HSSP; P50477; ICAU.		
DR	PROSITE; PS00867; CPSASE_2; UNKNOWN_1.	DR	MENDEL; 31894; Zeama; 1188; 31894.		
FT	238 AA; 27254 MW; FFEAT7BA7BB4A25D68 CRC64;	DR	INTERPRO; IPR000901; -.		
SQ		DR	INTERPRO; IPR001113; -.		
Query	Match	FT	NON_TER 240	PRT;	
Best Local Similarity	98.9%;	SEQUENCE	240 AA; 27560 MW; 5F54BC5CB06A983D CRC64;		
Matches	98.3%;	SQ			
Conservative	1;				
Mismatches	0;				
Indels	0;				
Gaps	0;				
RESULT	4	GT			
DB	1 EDDNHIIHHGGHKSGCVRRCEDRPHQRCLQCREEREKRSRHEADRSGEGS 60	GT			
DB	25 EDDNHIIHHGGHKSGCVRRCEDRPHQRCLQCREEREKRSRHEADRSGEGS 84	GT			
RESULT	4	GT			
DB	1 EDDNHIIHHGGHKSGCVRRCEDRPHQRCLQCREEREKRSRHEADRSGEGS 60	GT			
DB	25 EDDNHIIHHGGHKSGCVRRCEDRPHQRCLQCREEREKRSRHEADRSGEGS 84	GT			

		Query Match		Score 97.7%; Pred. No. 4.6e-31; Length 238;	
		Best Local Similarity 96.7%;保守性 58; Mismatches 2; Indels 0; Gaps 0;		Best Local Similarity 96.7%; Pred. No. 4.6e-31; Length 238;	
		Matches 58; Conservative 2; Mismatches 0; Indels 0; Gaps 0;		Matches 58; Conservative 2; Mismatches 0; Indels 0; Gaps 0;	
RESULT	6	ID Q03866 PRELIMINARY; PRT; 540 AA.	QY 1 EDDNNHHGGHKSGQCVRRCEDRPWHQRPRCLQEQCREBERERKQERSHEADRSRGSS 60	Db 25 EDDNNHHGGHKSGQCVRRCEDRPWHQRPRCLQEQCREBERERKQERSHEADRSRGSS 60	QY 1 EDDNNHHGGHKSGQCVRRCEDRPWHQRPRCLQEQCREBERERKQERSHEADRSRGSS 60
ID	Q03866	PRELIMINARY; PRT; 540 AA.	DT 01-NOV-1996 (TREMBREL. 01, Created)	DT 01-NOV-1996 (TREMBREL. 01, Last sequence update)	DT 01-NOV-1996 (TREMBREL. 01, Last sequence update)
AC	Q03866;		DR 01-OCT-2000 (TREMBREL. 15, Last annotation update)	DR 01-OCT-2000 (TREMBREL. 15, Last annotation update)	DR 01-OCT-2000 (TREMBREL. 15, Last annotation update)
DT			DE VICTILIN-LIKE EMBRYO STORAGE PROTEIN.	DE VICTILIN-LIKE EMBRYO STORAGE PROTEIN.	DE VICTILIN-LIKE EMBRYO STORAGE PROTEIN.
DR			GN GLB1-S.	GN GLB1-S.	GN GLB1-S.
RA			Zea mays (Maize).	Zea mays (Maize).	Zea mays (Maize).
OC			Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;	Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;	Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;
OX			Magnoliophyta; Liliopsida; Poales; Poaceae; Zea.	Magnoliophyta; Liliopsida; Poales; Poaceae; Zea.	Magnoliophyta; Liliopsida; Poales; Poaceae; Zea.
RN	[1]		NCBI_TAXID=4577;	NCBI_TAXID=4577;	NCBI_TAXID=4577;
RP		SEQUENCE FROM N.A.			
RC		STRAIN=VA26;			
RX		MEDLINE=92090707; PubMed=1752424;			
RA		Belanger F.C.; Kriz A.L.;			
RT		Molecular basis for allelic polymorphism of the maize Globulin-1 gene.";			
RL		Genetics 129:863-872(1991).			
EMBL	X5084;	CAA41810.1; -.			
DR		HSSP; P02853; ZPHL.			
DR		MENDL; 11235; Zeama; 1188;11235.			
DR		INTERPRO; IPR000901; -.			
DR		INTERPRO; IPR001113; -.			
DR		PROSITE; PS00667; CPSASE_2; UNKNOWN_1.			
DR		PRODOM; P0281059; -; 1.			
KW		Seed storage protein.			
SQ	SEQUENCE	540 AA; 60239 MN; 7E1E918CF9C81993 CRC64;			
Query Match		98.9%; Score 346; DB 10; Length 540;			
Best Local Similarity		98.3%; Pred. No. 3.2e-31;			
Matches		59; Conservative 1; Mismatches 0; Indels 0; Gaps 0;			
OY	1	EDDHMHGHGKSGQCVRRCEDRPWHQRPRCLQEQCREBERERKQERSHEADRSRGSS 60	QY 1 EDDNHMHGHGKSGQCVRRCEDRPWHQRPRCLQEQCREBERERKQERSHEADRSRGSS 60	QY 1 EDDNHMHGHGKSGQCVRRCEDRPWHQRPRCLQEQCREBERERKQERSHEADRSRGSS 60	QY 1 EDDNHMHGHGKSGQCVRRCEDRPWHQRPRCLQEQCREBERERKQERSHEADRSRGSS 60
Db	25	EDDHMHGHGKSGQCVRRCEDRPWHQRPRCLQEQCREBERERKQERSHEADRSRGSS 60	Db 25 EDDNHMHGHGKSGQCVRRCEDRPWHQRPRCLQEQCREBERERKQERSHEADRSRGSS 60	Db 25 EDDNHMHGHGKSGQCVRRCEDRPWHQRPRCLQEQCREBERERKQERSHEADRSRGSS 60	Db 25 EDDNHMHGHGKSGQCVRRCEDRPWHQRPRCLQEQCREBERERKQERSHEADRSRGSS 60
RESULT	7				
081249					
ID	081249	PRELIMINARY; PRT; 238 AA.	RESULT	9	Query Match
AC	081249;		Query Match	97.7%; Score 342; DB 10; Length 238;	Query Match
DT	01-NOV-1998 (TREMBREL. 08, Created)		Best Local Similarity	96.7%; Pred. No. 4.6e-31;	Best Local Similarity
DT	01-NOV-1998 (TREMBREL. 08, Last sequence update)		Matches	58; Conservative 2; Mismatches 0; Indels 0; Gaps 0;	Matches
DE	GLOBULIN-1 (FRAGMENT).		DR		DR
OS	Zea mays subsp. mays (maize).		QY	1 EDDNHMHGHGKSGQCVRRCEDRPWHQRPRCLQEQCREBERERKQERSHEADRSRGSS 60	QY
OC	Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;		DR		DR
OC	Magnoliophyta; Liliopsida; Poales; Poaceae; Zea.		MENDL; 31897; Zeama; 1188;31897.	MENDL; 31897; Zeama; 1188;31897.	MENDL; 31897; Zeama; 1188;31897.
RN	[1]		INTERPRO; IPR001113; -.	INTERPRO; IPR001113; -.	INTERPRO; IPR001113; -.
RP		SEQUENCE FROM N.A.	DR		DR
RA		Hilton H., Gaut B.S.;	PFAM; PF00546; Seedstore_7s; 1.	PFAM; PF00546; Seedstore_7s; 1.	PFAM; PF00546; Seedstore_7s; 1.
RT		"Speciation and domestication in maize and its wild relatives:	DR		DR
RT		evidence from the Globulin-1 gene.";	PROSITE; PS00867; CPSASE_2; UNKNOWN_1.	PROSITE; PS00867; CPSASE_2; UNKNOWN_1.	PROSITE; PS00867; CPSASE_2; UNKNOWN_1.
RT		Genetics 0:0-0(1998)	SEQUENCE	238 AA; 27298 MN; A75C0C7DED9B773A CRC64;	SEQUENCE
RL		EMBL; AR064212; AAC31455.1; -.	RN	238 AA; 27362 MN; A75C0C7DED9B773A CRC64;	RN
HSSE	P50477; ICAU		RT		RT
DR		MENDL; 31891; Zeama; 1188;31891.	RT		RT
DR		INTERPRO; IPR000901; -.	DR		DR
DR		INTERPRO; IPR001113; -.	DR		DR
DR		PROTM; PF00546; Seedstore_7s; 1.	DR		DR
DR		PROSITE; PS00867; CPSASE_2; UNKNOWN_1.	DR		DR
FT	NON_TER	238	FT	NON_TER	FT
SQ	SEQUENCE	238 AA; 27298 MN; A75C0C7DED9B773A CRC64;	SQ	SEQUENCE	SQ

Query Match 97.7%; Score 342; DB 10; Length 238;  
 Best Local Similarity 96.7%; Pred. No. 4.6e-31; Indels 0; Gaps 0;  
 Matches 58; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EDDNNHHHGGHKGSGQCYRRCEDRPWHORPRCLEQCREERERKQERSRHEADRSRGSS 60  
 25 EDDNNHHHGGHKGSGRCVRRCEDRPWHORPRCLEQCREERERKQERSRHEADRSRGSS 84

Db 25 EDDNNHHHGGHKGSGRCVRRCEDRPWHORPRCLEQCREERERKQERSRHEADRSRGSS 84

RESULT 10

Q9SBFO , PRELIMINARY; PRT; 240 AA.

ID Q9SBFO ;  
 AC Q9SBFO ;  
 DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)

DE GLOBULIN-1 (FRAGMENT).

OS Zea mays subsp. Parviflumis.

OC Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;

NCBI\_TaxID=76912;

[1]

RN SEQUENCE FROM N.A.

RA Hilton H., Gaut B.S.;

RT "Speciation and domestication in maize and its wild relatives: evidence from the Globulin-1 gene.";

RL Genetics 0:0-0(1998);

DR EMBL; AF054219; AAC31462.1; - .

HSSP; P50477; ICAU.

INTERPRO; IPR000901; - .

DR PFAM; PF00546; Seedstore\_7s; 1.

DR PROSITE; PS00867; CPSASE\_2; UNKNOWN\_1.

FT NON\_TER 240 AA; 27499 MW; ECDEI3393DC94AAC CRC64;

SQ

Query Match 97.7%; Score 342; DB 10; Length 240;  
 Best Local Similarity 96.7%; Pred. No. 4.6e-31; Indels 0; Gaps 0;  
 Matches 58; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EDDNNHHHGGHKGSGQCYRRCEDRPWHORPRCLEQCREERERKQERSRHEADRSRGSS 60  
 25 EDDNNHHHGGHKGSGRCVRRCEDRPWHORPRCLEQCREERERKQERSRHEADRSRGSS 84

Db 25 EDDNNHHHGGHKGSGRCVRRCEDRPWHORPRCLEQCREERERKQERSRHEADRSRGSS 84

RESULT 11

Q9SBEG PRELIMINARY; PRT; 240 AA.

ID Q9SBEG ;  
 AC Q9SBEG ;  
 DT 01-MAY-2000 (TREMBLrel. 13, Created)

DE 01-OCT-2000 (TREMBLrel. 15, Last annotation update)

DE GLOBULIN-1 (FRAGMENT).

OS Zea mays subsp. parviflumis.

OC Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;

NCBI\_TaxID=76912;

[1]

RN SEQUENCE FROM N.A.

RA Hilton H., Gaut B.S.;

RT "Speciation and domestication in maize and its wild relatives: evidence from the Globulin-1 gene.";

RL Genetics 0:0-0(1998);

DR EMBL; AF054220; AAC31463.1; - .

HSSP; P50477; ICAU.

INTERPRO; IPR00113; - .

DR PFAM; PF00546; Seedstore\_7s; 1.

DR PROSITE; PS00867; CPSASE\_2; UNKNOWN\_1.

FT NON\_TER 240 AA; 27604 MW; 2E0A2A2944B537DB CRC64;

SQ

Query Match 97.7%; Score 342; DB 10; Length 240;  
 Best Local Similarity 96.7%; Pred. No. 4.6e-31; Indels 1; Mismatches 1; Indels 0; Gaps 0;

Matches 58; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 EDDNNHHHGGHKGSGQCYRRCEDRPWHORPRCLEQCREERERKQERSRHEADRSRGSS 60  
 25 EDDNNHHHGGHKGSGRCVRRCEDRPWHORPRCLEQCREERERKQERSRHEADRSRGSS 84

Db 25 EDDNNHHHGGHKGSGRCVRRCEDRPWHORPRCLEQCREERERKQERSRHEADRSRGSS 84

RESULT 12

Q9SBET PRELIMINARY; PRT; 240 AA.

ID Q9SBET ;  
 AC Q9SBET ;  
 DT 01-MAY-2000 (TREMBLrel. 13, Created)

DE GLOBULIN-1 (FRAGMENT).

OS Zea mays subsp. Parviflumis.

OC Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;

NCBI\_TaxID=76912;

[1]

RN SEQUENCE FROM N.A.

RA Hilton H., Gaut B.S.;

RT "Speciation and domestication in maize and its wild relatives: evidence from the Globulin-1 gene.";

RL Genetics 0:0-0(1998);

DR EMBL; AF064223; AAC31466.1; - .

HSSP; P50477; ICAU.

INTERPRO; IPR000901; - .

DR INTERPRO; IPR00113; - .

DR PFAM; PF00546; Seedstore\_7s; 1.

DR PROSITE; PS00867; CPSASE\_2; UNKNOWN\_1.

FT NON\_TER 240 AA; 27604 MW; 2E0A2A2944B537DB CRC64;

SQ

Query Match 97.7%; Score 342; DB 10; Length 240;  
 Best Local Similarity 96.7%; Pred. No. 4.6e-31; Indels 1; Mismatches 1; Indels 0; Gaps 0;

Matches 58; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 EDDNNHHHGGHKGSGQCYRRCEDRPWHORPRCLEQCREERERKQERSRHEADRSRGSS 60  
 25 EDDNNHHHGGHKGSGRCVRRCEDRPWHORPRCLEQCREERERKQERSRHEADRSRGSS 84

Db 25 EDDNNHHHGGHKGSGRCVRRCEDRPWHORPRCLEQCREERERKQERSRHEADRSRGSS 84

	SQ	SEQUENCE	240 AA;	27457 MW;	CCC2EICEDA04D9B1 CRC64;
Query Match	97.7%	Score 342; DB 10;	Length 407;		
Best local Similarity	96.7%	Pred. No. 7.2e-31;			
Matches	58;	Conservative	2;	Mismatches 0;	Indels 0;
				Gaps 0;	
Qy	1	EDDNHHHGGHKSSQCVRRCEDRPWHQRPRCLEOCREERERKQERSRHEADRSGEQSS 60			
Db	25	EDDNHHHGGHKSGRCVRRCEDRPWHQRPRCLEOCREERERKQERSRHEADRSGEQSS 84			
RESULT	14				
081258		PRELIMINARY;	PRT;	238 AA.	
ID	081258				
AC	081258;				
DT	01-Nov-1998	(TREMBREL. 08, Created)			
DT	01-Oct-2000	(TREMBREL. 15, Last sequence update)			
DE		GLOBULIN-1 (FRAGMENT).			
OS		zea luxurians (teosinte).			
OC		Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;			
OC		Magnoliopsida; Liliopsida; Poales; Poaceae; Zea.			
NCBI_TAXID	15945;				
RN	[1]				
RP		SEQUENCE FROM N.A.			
RA		Hilton H., Gaut B.S.;			
RT		"Speciation and domestication in maize and its wild relatives: evidence from the Globulin-1 gene.";			
RL		Genetics 0:0-(1998);			
DR		EMBL: AF064229; AR031472.1; -.			
DR		HSSP: P50477; ICAU:			
DR		MENDEL: 31900; Zeau1; 3188; 31900.			
DR		INTERPRO; IPR00113; -.			
DR		PFAM; PF00546; Seedstore_7s; 1.			
FT		NON_TER 238			
SQ		SEQUENCE FROM N.A.			
Query Match	97.4%	Score 341; DB 10;	Length 238;		
Best Local Similarity	96.7%	Pred. No. 6e-31;			
Matches	58;	Conservative	1;	Mismatches 1;	Indels 0;
				Gaps 0;	
Qy	1	EDDNHHHGGHKSSQCVRRCEDRPWHQRPRCLEOCREERERKQERSRHEADRSGEQSS 60			
Db	25	EDDNHHHGGHKSGRCVRRCEDRPWHQRPRCLEOCREERERKQERSRHEADRSGEQSS 84			
RESULT	15				
081256		PRELIMINARY;	PRT;	240 AA.	
ID	081256				
AC	081256;				
DT	01-Nov-1998	(TREMBREL. 08, Created)			
DT	01-Nov-1998	(TREMBREL. 08, Last sequence update)			
DT	01-Oct-2000	(TREMBREL. 15, Last annotation update)			
DE		GLOBULIN-1 (FRAGMENT).			
OS		zea mays subsp. parviflora.			
OC		Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;			
OC		Magnoliopsida; Liliopsida; Poales; Poaceae; Zea.			
NCBI_TAXID	76912;				
RN	[1]				
RP		SEQUENCE FROM N.A.			
RA		Hilton H., Gaut B.S.;			
RT		"Speciation and domestication in maize and its wild relatives: evidence from the Globulin-1 gene.";			
RL		Genetics 0:0-(1998);			
DR		EMBL: AF064226; AR031469.1; -.			
DR		HSSP: P50477; ICAU:			
DR		MENDEL: 31898; Zeau1; 3188; 31898.			
DR		INTERPRO; IPR000901; -.			
DR		INTERPRO; IPR00113; -.			
DR		PFAM; PF00546; Seedstore_7s; 1.			
DR		PROSITE; PS00867; CPSASE_2; UNKNOWN_1.			
FT		NON_TER 240			

Search completed: March 1, 2001, 16:17:16  
Job time: 454 sec

Query Match

97.1%

Score 340; DB 10; Length 240;

Best Local Similarity

96.7%

Pred. No. 7.8e-31; Mismatches 1; Indels 0; Gaps 0;

Matches

58;

Conservative

1; Indels 0; Gaps 0;

Qy

1 EDDNHHHGGHKSSQCVRRCEDRPWHQRPRCLEOCREERERKQERSRHEADRSGEQSS 60

Db

25 EDDNHHHGGHKSGRCVRRCEDRPWHQRPRCLEOCREERERKQERSRHEADRSGEQSS 84

